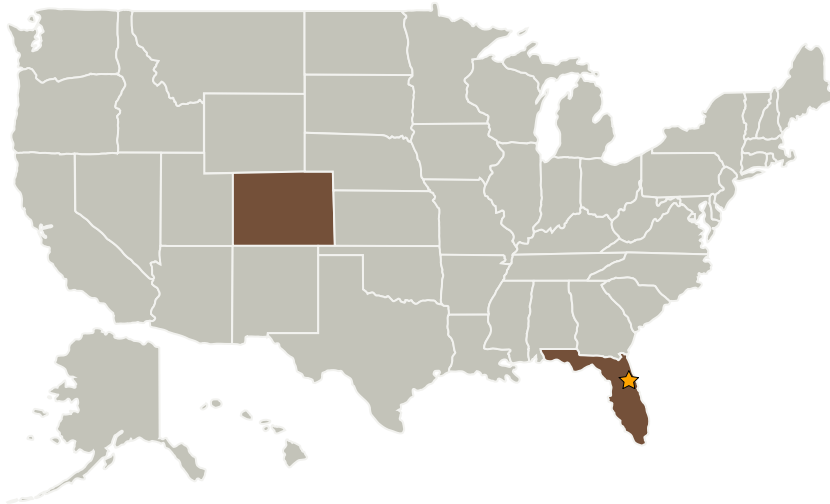


## Highly Reliable LOX Pump for Vehicle Loading Operations, Phase I

Completed Technology Project (2003 - 2003)



## Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ Kennedy Space Center(KSC)	Lead Organization	NASA Center	Kennedy Space Center, Florida
Barber-Nichols, Inc.	Supporting Organization	Industry	Arvada, Colorado

## Primary U.S. Work Locations

Colorado	Florida
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Highly Reliable LOX Pump for Vehicle Loading Operations, Phase I

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## Organizational Responsibility

**Responsible Mission Directorate:**

Space Technology Mission Directorate (STMD)

**Lead Center / Facility:**

Kennedy Space Center (KSC)

**Responsible Program:**

Small Business Innovation Research/Small Business Tech Transfer

# Highly Reliable LOX Pump for Vehicle Loading Operations, Phase I

Completed Technology Project (2003 - 2003)



## Project Management

**Program Director:**

Jason L Kessler

**Program Manager:**

Carlos Torrez

**Principal Investigator:**

Bill Batton

## Technology Areas

**Primary:**

- TX02 Flight Computing and Avionics
  - └ TX02.1 Avionics Component Technologies
    - └ TX02.1.1 Radiation Hardened Extreme Environment Components and Implementations